

A METHOD FOR PREPARING METAL OXIDE PARTICLES AND
AN EXHAUST GAS PURIFYING CATALYST

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ABSTRACT OF THE DISCLOSURE

10 The present invention relates to metal oxide
particles having cores comprising larger molar amounts of
zirconia than of ceria, and surface layers comprising
larger molar amounts of ceria than of zirconia. Further,
the present invention relates to a method for preparing
the particles. The method comprises preparing a solution
15 comprising zirconia sol and ceria sol, adjusting the pH
of the solution within ± 0.5 on the basis of the
isoelectric point of zirconia, and aggregating zirconia
and then aggregating ceria around the aggregated zirconia
from the solution to make aggregates. Furthermore, the
20 present invention relates to an exhaust gas purifying
catalyst comprising the metal oxide particles, and a
noble metal carried by the metal oxide particles.